GROUP J1

WATER & SEWER LINE SUPPLIES

Honorable Mayor and City Council
City of Gulfport
P.O. Box 1780
Gulfport, MS 39502

Mayor and Council Members:

Pursuant to your advertisement, we do hereby submit this, our proposal for furnishing Water and Sewer Line supplies in accordance with the specifications listed below, for a period of twelve (12) months, beginning January 1, 2016 and ending December 31, 2016; reserving the right to request an extension of contract for a second term of twelve (12) months, which is as follows:

I. Municipal service tubing

Copper tube size OD ASTM D-2737-SDR9 (PE3408) Drisco pipe or equal

1.	¾"	brand_____	$_____per foot
2.	1"	brand_____	$_____per foot
3.	1 ¼"	brand_____	$_____per foot
4.	1 ½"	brand_____	$_____per foot
5.	2"	brand_____	$_____per foot

II. PVC Pressure Pipe

All PVC pressure pipe to conform to the following or latest specifications.

Polyvinyl chloride (PVC) pipe conforming to AWWA C-900, Class 150, SDR-18. Pipe shall be made to cast iron AWWA. Each length of pipe shall be stamped with approval of the National Sanitation Foundation and Underwriters Laboratories, Inc. for transporting potable water. At least 85 percent of pipe shall be in standard 20-foot lengths. Remaining random lengths shall not be less than 10 feet long. Pipe couplings or joints shall be an integral part of the pipe barrel. It shall consist of an expanded bell with groove to retain a rubber sealing ring conforming to the requirements of AWWA C-111.

or

Molecularly oriented polyvinyl chloride (PVCO) pipe, Ultra blue, conforming to ASTM standards F483, D1784, D2241, D3139, and D2774 and also designed using the same criteria as AWWA C900 for class 150 pipe. Pipe shall be made to cast iron OD's and each length shall be stamped with the approval of the national sanitation foundation and underwriters laboratories, inc., for transporting potable water. Pipe couplings shall be an integral part of the pipe barrel, consisting of an expanded bell with a factory-installed retained rubber sealing ring designed to avoid rolling of the ring during pipe joint assembly.

Bid price per foot of lying length excluding spigot end inside bell. Bid price to include all necessary gaskets and gasket lubricant.

All PVC pressure pipe is to be as slip joint pipe.

1.	4"	brand_____	$_____per linear ft.
2.	6"	brand_____	$_____per linear ft.
3.	8"	brand_____	$_____per linear ft.
4.	10"	brand_____	$_____per linear ft.
5.	12"	brand_____	$_____per linear ft.
6.	16”	brand_____	$_____per linear ft.

III. PVC sewer fittings SDR35 glue type

1.	4” sleeve	brand_____	$_____ea
2.	6" sleeve	brand_____	$_____ea
3	4” with a 1/16” bend 22.5°	brand_____	$_____ea
4.	6” with a 1/16” bend 22.5°	brand_____	$_____ea
5.	4” with a 1/8” bend 45°	brand_____	$_____ea
6.	6” with a 1/8” bend 45°	brand_____	$_____ea
7.	4” with a ¼” bend 90°	brand_____	$_____ea
8.	6” with a ¼” bend 90°	brand_____	$_____ea
9.	4" bell cap	brand_____	$_____ea
10.	6" bell cap	brand_____	$_____ea
11.	8"x 6" saddle “PVC” WYE	brand_____	$_____ea
12.	6"x 6" saddle “PVC” WYE	brand_____	$_____ea
13.	6"x 4" reducers	brand_____	$_____ea
14.	8"x 6" reducers	brand_____	$_____ea
15.	4” clean out SW-MPT (w/o plug)	brand_____	$_____ea
16.	4” clean out plug MPT	brand_____	$_____ea

17. 6” clean out SW-MPT (w/o plug) brand_____ $_____ea

18. 6” clean out plug MPT brand_____ $_____ea

19. 6” WYE - SW brand_____ $_____ea

IV. Ductile iron pressure main

Ductile iron pipe

All ductile iron pipes will meet the latest edition of the following guidelines/specifications:

- ANSI/AWWA C151/A21.51 minimum thickness
- AWWA - C151 grade 60-42-10 4" class 54
- ANSI/AWWA - C104/A21.4 6" class 53
  8" – 18” class 52

Bid price per foot of laying length excluding spigot end inside of bell. Bid price to include necessary gaskets and gasket lubricant.

1. 4" Mechanical Joint brand_____ $_____per linear ft.

   4" Slip Joint brand_____ $_____per linear ft.

2. 6" Mechanical Joint brand_____ $_____per linear ft.

   6" Slip Joint brand_____ $_____per linear ft.

3. 8" Mechanical Joint brand_____ $_____per linear ft.

   8" Slip Joint brand_____ $_____per linear ft.

4. 10" Mechanical Joint brand_____ $_____per linear ft.

   10" Slip Joint brand_____ $_____per linear ft.

5. 12" Mechanical Joint brand_____ $_____per linear ft.

   12" Slip Joint brand_____ $_____per linear ft.

6. 16" Mechanical Joint brand_____ $_____per linear ft.

   16" Slip Joint brand_____ $_____per linear ft.

V. PVC sewer pipe

All PVC sanitary sewer pipe will comply with the latest edition of the following guidelines/specifications:

- ASTM - D3034
- SDR - 35

All pipe bids to be per linear foot bid price including gaskets and gasket lubricant.

1.	4"	brand_____	$_____per linear ft.
2.	6"	brand_____	$_____per linear ft.
3.	8"	brand_____	$_____per linear ft.
4.	10"	brand_____	$_____per linear ft.
5.	12"	brand_____	$_____per linear ft.

VI. Ductile Iron Fittings

All ductile iron fittings will comply with the latest edition of the following guidelines/specifications:

● ANSI / AWWA C153 / A21.53-84

TEES

1.	4 x 4" MJ	brand_____	$_____ea
2	6 x 4" MJ	brand_____	$_____ea
3.	6 x 6" MJ	brand_____	$_____ea
4.	8 x 4" MJ	brand_____	$_____ea
5.	8 x 6" MJ	brand_____	$_____ea
6.	8 x 8" MJ	brand_____	$_____ea
7.	12 x 4" MJ	brand_____	$_____ea
8.	12 x 6" MJ	brand_____	$_____ea
9.	12 x 8" MJ	brand_____	$_____ea
10.	12” x 12" MJ	brand_____	$_____ea

Elbows - 22.5° Degree bends

11.	4" MJ	brand_____	$_____ea
12.	6" MJ	brand_____	$_____ea
13.	8" MJ	brand_____	$_____ea
14.	12" MJ	brand_____	$_____ea

Elbows - 45° Degree bends

15. 4" MJ brand_____ $_____ea

16. 6" MJ brand_____ $_____ea

17. 8" MJ brand_____ $_____ea

18. 12" MJ brand_____ $_____ea

Elbows - 90° degree bends

19. 4" MJ brand_____ $_____ea

20. 6" MJ brand_____ $_____ea

21. 8" MJ brand_____ $_____ea

22. 12" MJ brand_____ $_____ea

Crosses

23. 4” x 4" MJ brand_____ $_____ea

24. 6” x 4" MJ brand_____ $_____ea

25. 6” x 6" MJ brand_____ $_____ea

26. 8” x 6" MJ brand_____ $_____ea

27. 8” x 8" MJ brand_____ $_____ea

Reducers - Spigot Both Ends

28. 6 x 4" brand_____ $_____ea

29. 8 x 4" brand_____ $_____ea

30. 8 x 6" brand_____ $_____ea

31. 12 x 6" brand_____ $_____ea

32. 12 x 8" brand_____ $_____ea

Reducers - Spigot to MJ

33.	6 x 4"	brand_____	$_____ea
34.	8 x 4"	brand_____	$_____ea
35.	8 x 6"	brand_____	$_____ea
36.	12 x 6"	brand_____	$_____ea
37.	12 x 8"	brand_____	$_____ea

Reducers - MJ Both Ends

38.	6 x 4"	brand_____	$_____ea
39.	8 x 4"	brand_____	$_____ea
40.	8 x 6"	brand_____	$_____ea
41.	12 x 6"	brand_____	$_____ea
42.	12 x 8"	brand_____	$_____ea
43.	12 x 10"	brand_____	$_____ea

Mechanical joint and ductile iron retainer glands used to restrain mechanical joint pipe valves and fittings. Retaining glands are required with accessories (bolts / gasket).

The mechanical joint restraint shall be designed to fit standard mechanical joint bells with standard T-head bolts conforming to current edition of ANSI/AWWA C 111/A21.11 and ANSI/AWWA C153 A21.53.

Glands shall be manufactured of ductile iron conforming to ASTMA536.80 grade 60 42 10, set-screws shall be of hardened ductile iron and require the same torque in all sizes. Steel set-screws are not permitted.

These devices shall have the stated pressure rating with a minimum safety factor of 2:1.

Nominal pipe size	4
Series number	1204
Shipping weight	4.50
Number of set screws	4-5/8 x 2
Working pressure	350
Torque on set screws	70
M dimension	0.75

K2 dimension	9.12
J dimension	7.50
F dimension	4.90
No of bolts	4
Nominal pipe size	6
Series number	1206
Shipping weight	7.75
Number of set screws	6-5/8 x 2
Working pressure	350
Torque on set screws	70
M dimension	0.88
K2 dimension	11.12
J dimension	9.50
F dimension	7.00
No of bolts	6

Nominal pipe size	8
Series number	1208
Shipping weight	10.25
Number of set screws	9-5/8 x 2
Working pressure	250
Torque on set screws	70
M dimension	1.00
K2 dimension	13.37
J dimension	11.75
F dimension	9.15
No of bolts	6

Nominal pipe size	10
Series number	1210
Shipping weight	13.75
Number of set screws	12-5/8 x 2
Working pressure	250
Torque on set screws	70
M dimension	1.00
K2 dimension	15.62
J dimension	14.00
F dimension	11.20
No of bolts	8

Nominal pipe size	12
Series number	1212
Shipping weight	17.75
Number of set screws	16-5/8 x 2
Working pressure	250
Torque on set screws	70
M dimension	1.00

K2 dimension	17.88
J dimension	16.25
F dimension	13.30
No of bolts	8

Retaining Glands (mega-lug design) - "Retainers"

44. 4" MJ brand_____ $_____ea

45. 6" MJ brand_____ $_____ea

46. 8" MJ brand_____ $_____ea

47. 12" MJ brand_____ $_____ea

48. 16" MJ brand_____ $_____ea

Sleeves – Solid (12" Length)

49. 4" MJ brand_____ $_____ea

50. 6" MJ brand_____ $_____ea

51. 8" MJ brand_____ $_____ea

52. 12" MJ brand_____ $_____ea

53. 16" MJ brand_____ $_____ea

Blank Plug with 2" Tap (pipe threads)

54. 4" MJ brand_____ $_____ea

55. 6" MJ brand_____ $_____ea

56. 8" MJ brand_____ $_____ea

57. 12" MJ brand_____ $_____ea

VII. Bolts and gaskets

Bolts

1. MJ Lock Bolts "Anti Rotation" brand_____ $_____per 100

2. Bolt (3/4" X 3 1/3") MJ brand_____ $_____per 100

3. Bolt (3/4” X 4”) MJ brand_____ $_____per 100

Gaskets

4. 4" MJ brand_____ $_____per 50

   4” Transition brand_____ $_____per 50

5. 6" MJ brand_____ $_____per 50

   6” Transition brand_____ $_____per 50

6. 8" MJ brand_____ $_____per 50

   8" Transition brand_____ $_____per 50

7. 12" MJ brand_____ $_____per 50

   12" Transition brand_____ $_____per 50

8. 16” MJ brand_____ $_____per 50

   16” Transition brand_____ $_____per 50

VIII. Gate Valves & Appurtenances

All gate valves will meet the following specifications:

2” through 24”

1. All valves will meet or exceed all requirements of AWWA C-509 standards, latest edition.

2. All valves will be electro-statically, fusion bonded epoxy coated, minimum 8-mil thickness inside and out, conforming to ANSI/AWWA C550-01 standards, latest edition.

3. Resilient wedge to be ductile iron fully encapsulated wedge design including glide path and will be NSF-61 approved for potable water.

4. Valve stem material will be stainless steel, Type 400 series, or bronze alloy with minimum strength of 40,000 psi without heat treatment.

5. Valves will have two upper o-ring seals on the stem above the thrust collar and at least one o-ring seal below the collar so designed to allow for replacement of the upper o-rings with the valve under full operating pressure.

6. All exterior fasteners including bonnet, gland flange and operation nut shall be Type 304 stainless steel.

7. All valves will be capable of a 250 psig working pressure and will be hydrostatically pressure tested to 500 psig in compliance with AWWA C-509 prior to shipment and will be covered by a manufacturers ten year warranty from the date of purchase by the end user.

8. All valves will have a 2” ductile iron wrench nut with direction of valve operation clearly visible.

9. All valves are to be open left (counter clockwise) unless specifically indicated otherwise.

10. Tapping valves shall have centering ring casted on the flanged outlet to ensure proper alignment and a mechanical joint outlet conforming to ANSI B16.1, CLASS 125, AND ANSI/AWWA C111/A21.11. Flanged outlets are not an acceptable substitute for tapping purposes.

Gate Valves - 3" thru 48" - for water and other liquids

GATE Valve - MJ

1.	3” Mueller or M & H	brand_____	$_____ea
2.	4" Mueller a2380-20 or M & H 67-01	brand_____	$_____ea
3.	6" Mueller A2380-20 or M & H 67-01	brand_____	$_____ea
4.	8" Mueller A2380-20 or M & H 67-01	brand_____	$_____ea
5.	10" Mueller A2380-20 or M & H 67-01	brand_____	$_____ea
6.	12" Mueller A2380-20 or M & H 67-01	brand_____	$_____ea
7.	16" Mueller A2380-20 or M & H 67-01	brand_____	$_____ea

TAPPING Gate Valve – MJ to FL

8.	4" Mueller H667 or M & H 751	brand_____	$_____ea
9.	6" Mueller H667 or M & H 751	brand_____	$_____ea
10.	8" Mueller H667 or M & H 751	brand_____	$_____ea
11.	10" Mueller H667 or M & H 751	brand_____	$_____ea

12. 12" Mueller H667 or M & H 751 brand_____ $_____ea

13. 16" Mueller H667 or M & H 751 brand_____ $_____ea

Tapping Sleeves:

Material specifications

Body - ASTM 285 Grade C.

Bolts - corrosion resistant, high strength low-alloy AWWA C-111, ANSI A 21.11.

Flange - AWWA C207 class D, ANSI 150 lb. drilling, recessed for tapping valve MSS-SP 60.

Gasket - compounded for use with water, salt solutions, mild acids, bases and natural gas.

Finish - heavy coat of corrosion resistant metal primer.

Service rating - 4" to 12" outlets: 250 psi.

14. 4 x 4" JCM 412 or equal "C900" brand_____ $_____ea

    4 x 4 "CLASS 160" brand_____ $_____ea

15. 6 x 4" JCM 412 or equal "C900" brand_____ $_____ea

    6 x 4 "CLASS 160" brand_____ $_____ea

16. 6 x 6" JCM 412 or equal "C900" brand_____ $_____ea

    6 x 6" "CLASS 160" brand_____ $_____ea

17. 8 x 4" JCM 412 or equal "C900" brand_____ $_____ea

    8 x 4" "CLASS 160" brand_____ $_____ea

18. 8 x 6" JCM 412 or equal "C900" brand_____ $_____ea

    8 x 6" "CLASS 160" brand_____ $_____ea

19. 8 x 8" JCM 412 or equal "C900" brand_____ $_____ea

    8 x 8" "CLASS 160" brand_____ $_____ea

20. 10 x 4" JCM 412 or equal "C900" brand_____ $_____ea

    10 x 4" "CLASS 160" brand_____ $_____ea

21.	10 x 6" JCM 412 or equal “C900”	brand_____	$_____ea
	10 x 6” “CLASS 160”	brand_____	$_____ea
22.	10 x 8" JCM 412 or equal “C900”	brand_____	$_____ea
	10 x 8” “CLASS 160”	brand_____	$_____ea
23.	12 x 4" JCM 412 or equal “C900”	brand_____	$_____ea
	12 x 4" “CLASS 160”	brand_____	$_____ea
24.	12 x 6" JCM 412 or equal “C900”	brand_____	$_____ea
	12 x 6" “CLASS 160”	brand_____	$_____ea
25.	12 x 8" JCM 412 or equal “C900”	brand_____	$_____ea
	12 x 8" “CLASS 160”	brand_____	$_____ea
26.	16 x 6” JCM 412 or equal “C900”	brand_____	$_____ea
	16 x 6” “CLASS 160”	brand_____	$_____ea
27.	16 x 8” JCM 412 or equal “C900”	brand_____	$_____ea
	16 x 8” “CLASS 160”	brand_____	$_____ea

IX. Brass Water Service Fittings AWWA C-800

All brass will conform to the new Federal Law (Senate Bill 3874), which is effective 4 January 2014, Which pertains to “no lead” brass alloys.

All component parts, body, key, washer, nut, and tube nut shall have same metal analysis. (MCC)

Dual Check Backflow Preventers

All dual check backflow preventers will have ANSI, ASSE approved 1024-1985 stamped or attached to the body of the backflow preventer.

Dual Check w/Meter Nipple (Built In)

1.	¾”	brand_____	$_____ea
2.	1”	brand_____	$_____ea
3.	1 ½”	brand_____	$_____ea
4.	2”	brand_____	$_____ea

Dual Check w/o Meter Nipple

1.	¾’	brand_____	$_____ea
2.	1"	brand_____	$_____ea
3.	½”	brand_____	$_____ea
4.	2"	brand_____	$_____ea

Bronze gate valves (3/4” - 3" diameter)

125 lb. Steam rated valve
200 wog -
Brands - Grinnell, Crane, or Stockham only (no substitutes)
Minimum 85 bronze

All bronze gate valves shall meet material and design specifications of federal specification number WWV-54D, Class A.

All bronze gate valve bids are to be a bid price per each delivered to F.O.B. Department of Public Works. With and without accessories (gaskets & bolts).

1.	¾’ diameter bronze gate valve	brand_____	$_____ea
2.	1" diameter bronze gate valve	brand_____	$_____ea
3.	1 ¼” diameter bronze gate valve	brand_____	$_____ea
4.	1 ½” diameter bronze gate valve	brand_____	$_____ea
5.	2" diameter bronze gate valve (FULL PORT)	brand_____	$_____ea
6.	2 ½” diameter bronze gate valve	brand_____	$_____ea
7.	3" diameter bronze gate valve	brand_____	$_____ea

Cut Off Valves – w/Lock Wing Only

1.	Ball Valve ¾” (FPT) [4056] Mueller B-20245 / Ford B11- 333W or equal	brand_____	$_____ea
2.	Ball Valve 1" (FPT) [4079] Mueller B-20200 / Ford B11-444W or equal	brand_____	$_____ea
3.	Ball Valve ¾” (CTS – MPT) [4051] (Pack Joint)	brand_____	$_____ea

4. Ball Valve ¾’ (CTS–MSN) “Packed Joint” [4048]
   Mueller H-14348 / Ford B43-332W or equal brand_____ $_____ea

5. Ball Valve 1" (CTS–MSN) “Packed Joint” [4095]
   Mueller H-14348 / Ford B43-444W or equal brand_____ $_____ea

6. Ball Valve ¾” x 1" (MSN–CTS) “Packed Joint” [4058]
   Mueller B-24350 / Ford B43-342W or equal brand_____ $_____ea

7. Ball Valve ¾” (PVC-MSN) [4065]
   Mueller B-24353 / Ford B73-332W or equal brand_____ $_____ea

8. Ball Valve ¾” (CTS-FPT) “Packed Joint” [4066]
   Mueller B-25170 / Ford B41-333W or equal brand_____ $_____ea

9. Ball Valve 1" (CTS-FPT) “Packed Joint” [4092]
   Mueller B-25170 / Ford B41-444W or equal brand_____ $_____ea

10. Ball Valve 1” X ¾” (CTS-FPT) “Packed Joint” [4057]
    Mueller B-25170 / Ford B41-343W or equal brand_____ $_____ea

11. Ball Valve 2” (FPT-CTS) “Packed Joint” [4035]
    Mueller B-25170 / Ford B41-777W or equal brand_____ $_____ea

12. Ball Valve 2” (FPT)
    Ford B11-777W or equal brand_____ $_____ea

Joint Connections

1. Coupling ¾” (CTS-MPT) “Packed Joint” [4050]
   Mueller H-15428 / Ford C84-33 or equal brand_____ $_____ea

2. Coupling 1" (CTS-MPT) “Packed Joint” [4027]
   Mueller H-15428 / Ford C84-44 or equal brand_____ $_____ea

3. Coupling ¾” (FPT-CTS) “Packed Joint” [4055]
   Mueller H-15451 / Ford C14-33 or equal brand_____ $_____ea

4. Coupling 1" (CTS-FPT) “Packed Joint” [4080]
   Mueller H-15451 / Ford C14 -44 or equal brand_____ $_____ea

5. Coupling ¾” (CTS) “Packed Joint” [4049]
   Mueller H-15403 / Ford C44-33 or equal brand_____ $_____ea

6. Coupling 1" (CTS) “Packed Joint” [4083]
   Mueller H-15403 / Ford C44-44 or equal brand_____ $_____ea

7. Coupling 2" (CTS) “Packed Joint” [4036]
   Mueller H-15403 / Ford C44-77 or equal brand_____ $_____ea

8. Coupling ¾" (FPT-CTS) "Packed Joint"
Ford C17-33 or equal brand_____ $_____ea

9. Coupling 1" (FPT-CTS) "Packed Joint" [4088]
Ford C17-44 or equal brand_____ $_____ea

10. Coupling ¾" x 1" (FPT-CTS) "Packed Joint" [4069]
Ford C17-34 or equal brand_____ $_____ea

11. Coupling ¾" (CTS-PVC) "Packed Joint" [4053]
Ford C47-33 or equal brand_____ $_____ea

12. Coupling 1" (CTS-PVC) "Packed Joint" [4086]
Ford C47-44 or equal brand_____ $_____ea

13. Coupling ¾" x 1" (CTS-PVC) "Packed Joint" [4074]
Ford C47-34 or equal brand_____ $_____ea

14. Coupling ¾" x 1" (CTS) "Packed Joint" [4071]
Ford C44-34 or equal brand_____ $_____ea

15. Coupling ¾" x 1" (MPT-CTS) "Packed Joint" [4072]
Ford C84-34 or equal brand_____ $_____ea

16. Coupling ¾" (MPT-PVC) [4064]
Ford C87-33 or equal brand_____ $_____ea

17. Coupling 1" (PVC) [4026]
Ford C87-44 or equal brand_____ $_____ea

18. Coupling 2" (CTS-MPT) "Packed Joint" [4037]
Ford C84-77 or equal brand_____ $_____ea

19. Coupling 2" (CTS-FPT) "Packed Joint" [4029]
Ford C14-77 or equal brand_____ $_____ea

20. Coupling 2" (Meter FL-MPT) w/Gaskets [4030]
Ford CF38-77-2.125 or equal brand_____ $_____ea

21. Coupling 2" (Meter FL-FPT) w/Gaskets [4034]
Ford CF31-78 or equal brand_____ $_____ea

Misc. Brass Fittings

1. Corporation ¾"cc (MPT-CTS) (Pack Joint) [4054]
Mueller H-15008 / Ford F1000 or equal brand_____ $_____ea

2. Corporation 1"cc (MPT-CTS) (Pack Joint) [4091]
Mueller H-15008 / Ford F1000 or equal brand_____ $_____ea

3.	WYE 1 x ¾" (CTS) (Pack Joint) [4068] Mueller H-15343 / Ford 144-243 or equal	brand_____	$_____ea
4.	TEE ¾" (FPT) [4052]	brand_____	$_____ea
5.	TEE ¾" (CTS) (Packed Joint) [4062]	brand_____	$_____ea
6.	TEE 1" (FPT) [4084]	brand_____	$_____ea
7.	TEE 1" (CTS) (Packed Joint) [4075]	brand_____	$_____ea
8.	Nipple 2" (All Thread / By Close) [4033]	brand_____	$_____ea
9.	Nipple ¾" (All Thread / By Close)	brand_____	$_____ea
10.	Nipple ¾" (3" Length)	brand_____	$_____ea
11.	Meter Nipple ¾" x 2 ½" – long	brand_____	$_____ea
12.	Meter Nipple ¾" x 1 5/8" – short	brand_____	$_____ea

General Galvanized Fittings

13.	Dresser Coupling ¾" (compression) [3049] Smith Blair 522	brand_____	$_____ea
14.	Dresser Coupling 1" (compression) [3058] Smith Blair 522	brand_____	$_____ea
15.	Dresser Coupling 2" (compression) [3030] Smith Blair 522	brand_____	$_____ea

X. Rubber Couplings – Fernco, Mission or equal

PVC to PVC

1.	4 x 4 PVC to PVC	brand_____	$_____ea
2.	4 x 6 PVC to PVC	brand_____	$_____ea
3.	6 x 6 PVC to PVC	brand_____	$_____ea
4.	6 x 8 PVC to PVC	brand_____	$_____ea
5.	8 x 8 PVC to PVC	brand_____	$_____ea
6.	10 x 10 PVC to PVC	brand_____	$_____ea
7.	12 x 12 PVC to PVC	brand_____	$_____ea

PVC to Clay

1.	4 x 4 PVC to clay	brand_____	$_____ea
2.	4 x 6 PVC to clay	brand_____	$_____ea
3.	6 x 6 PVC to clay	brand_____	$_____ea
4.	6 x 8 PVC to clay	brand_____	$_____ea
5.	8 x 8 PVC to clay	brand_____	$_____ea
6.	10 x 10 PVC to clay	brand_____	$_____ea
7.	12 x 12 PVC to clay	brand_____	$_____ea

PVC to Concrete

1.	4 x 4 PVC to concrete	brand_____	$_____ea
2.	4 x 6 PVC to concrete	brand_____	$_____ea
3.	6 x 6 PVC to concrete	brand_____	$_____ea
4.	6 x 8 PVC to concrete	brand_____	$_____ea
5.	8 x 8 PVC to concrete	brand_____	$_____ea

XI. Coupling - Hymax 2000 or equal

1. Coupling should allow for diameter differences of up to 1.30".
2. Should have two stage sealing capabilities, rubber non-roll gaskets.
3. Should have one bolt per end, tow bolts total for tightening.
4. Stab installation to allow for no disassembly and re-assembly.
5. Should accommodate up to 8 degrees of angular deflection.
6. Should have corrosion resistant coating of fusion bonded epoxy, stainless steel spanner, nuts and bolts.
7. Bolts and nuts should be ANSI 304/303 stainless steel with coated nuts and anti-seize compound or equal.
8. Pressure assisted gasket should be NSF 61 registered EPDM gasket or equal. Compound approved for contact with drinking water and sewage. The gasket should be made in two layers with an inner removable layer to allow for pipe diameter range expansion or equal.

Size of coupling – should have a working pressure of 260 PSIG

1. 4” with an overall range of 4.25” – 5.63”, overall length 8.7” overall width 7.87” overall coupling middle ring 5.9” maximum gap between pipes 5.50” and weight 15 pounds.

$_____ Item #_____

2. 6” with an overall range of 6.42” – 7.68”, overall length 10.8”, overall width 10.75” overall coupling middle ring 8.0”, maximum gap between pipes 7.50” and weight 21 pounds.

$_____ Item #_____

3. 8” with an overall range of 8.54” – 9.84”, overall length 10.8”, overall width 12.91” overall coupling middle ring 8.0”, maximum gap between pipes 7.50” and weight 26 pounds.

$_____ Item #_____

XII. Repair clamps

(Smith Blair)

		3” long	**6” long**
1.	¾”	$_____ea brand_____	$_____ea brand_____
2.	1"	$_____ea brand_____	$_____ea brand_____
3.	1 ¼”	$_____ea brand_____	$_____ea brand_____
4.	1 ½”	$_____ea brand_____	$_____ea brand_____
5.	2"	$_____ea brand_____	$_____ea brand_____
6.	2 ½”	$_____ea brand_____	$_____ea brand_____

Full Circle Repair Clamps- JCM:

All sizes listed below for (1. Steel pipe); (2. Cast iron pipe); (3. Plastic pipe with iron pipe); (4. TRANSITE AC pipe). All are 7 ½" or 12 ½" long full circle repair clamps, baker, smith, Blair, Rockwell, superior and Mueller or equal.

1.	2"	$_____ea $_____brand
	Range(s)	2.35 – 2.63 2.70 – 3.13
2.	3"	$_____ea $_____brand
	Range(s)	2.97 – 3.25 3.46 – 3.70 3.73 – 4.00 3.96 – 4.25
3.	4"	$_____ea $_____brand
	Range(s)	4.45 – 4.73 4.74 – 5.14 4.95 – 5.35 5.22 – 5.62
4.	6"	$_____ea $_____brand
	Range(s)	5.95 – 6.35 6.56 – 6.96 6.84 – 7.24 7.05 – 7.45
5.	8"	$_____ea $_____brand
	Range(s)	7.95 – 8.35 8.54 – 8.94 8.99 – 9.39 9.27 – 9.67 9.70 – 10.10
6.	10"	$_____ea $_____brand
	Range(s)	11.75 – 12.15 10.64 – 11.04 11.04 – 11.46

7.	12"	$_____ea $_____brand
	Range(s)	13.10 – 13.50

Bell Joint Clamps:

All are dresser, Smith Blair, Ford, or Mueller, Bell joint clamps 067900

1.	4"	brand_____	$_____ea
2	6"	brand_____	$_____ea
3.	8"	brand_____	$_____ea
4.	12"	brand_____	$_____ea

Foster adapters or approved equal

1.	4”	brand_____	$_____ea
2.	6"	brand_____	$_____ea
3.	8"	brand_____	$_____ea
4.	12"	brand_____	$_____ea

XIII. Cast Iron Saddles: Baker, Ford, Smith Blair, Mueller, Rockwell with extended range to fit all pipes.

**Double Strap

	MAIN Size	**Tap Size**	**Cast Iron-C900**	**Extended range**
1.	12”**	1"cc	_____ea brand_____	$_____ea brand_____
		2 " IPT	_____ea brand_____	$_____ea brand_____
2.	10”**	1"cc	_____ea brand_____	$_____ea brand_____
		2” IPT	_____ea brand_____	$_____ea brand_____
3.	8”**	1"cc	_____ea	$_____ea

			brand_____	brand_____
		2" IPT	_____ea	$_____ea
			brand_____	brand_____
4.	6”**	1" cc	_____ea	$_____ea
			brand_____	brand_____
		2” IPT	_____ea	$_____ea
			brand_____	brand_____
5.	4”**	1"cc	_____ea	$_____ea
			brand_____	brand_____
		2" IPT	_____ea	$_____ea
			brand_____	brand_____
6.	3”**	1"cc	_____ea	$_____ea
			brand_____	brand_____
7.	2”**	1"cc	_____ea	$_____ea
			brand_____	brand_____
8.	1"**	1”cc	_____ea	$_____ea
			brand_____	brand_____

XIV. Fire hydrants/kits/brass nipples/misc.

Fire Hydrant Specifications:

1. Quality Assurance:

   Standard references to use and follow for the below specification are:

   - American National Standards Institute (ANSI), A21.11 Rubber Gasket Joints for Cast Iron and Ductile Iron Pressure Pipe and Fittings (AWWA C111).
   - ANSI, B16.1 Cast Iron Pipe Flanges and Flanged Fittings, Class 25, 125, 250 and 800.
   - American Water Works Association (AWWA), C502-94 - Dry Barrel Hydrants
   - AWWA, C509-01- Resilient Seated Gate Valves
   - AWWA, C550-05 - Protective Epoxy Interior Coatings for Valves and Hydrants
   - AWWA, C600-99 - Installation of Ductile Iron Water Mains and Appurtenances.
   - AWWA, C651-99 - Disinfecting Water Mains

2. Fire hydrants shall be dry barrel, traffic type with 5 ¼” minimum main valve opening. Hydrants shall have one 4 ½” pumper nozzle and two 2 1`/2” hose nozzles. Threads on nozzles shall be NST type unless specified in accordance with owner’s standards.

3. All hydrants shall conform to AWWA C-502 latest revisions. Rated working pressure shall be 250psi, and tested to 500psig in both the open and closed position prior to shipment. Main valve shall be of the true compression type opening against and closing with pressure.

4. Hydrant bonnet, nozzle section, shoe section and flanges shall be fusion bonded epoxy coated, minimum 6 mil thickness inside and out applied only at the hydrant manufacturers facilities. All

hydrants shall be delivered with above ground sections painted externally, yellow in color, and minimum of 4 mils.

5. All hydrants shall allow 360° rotation to position the steamer nozzle in the desired direction after installation. Undercut or breakaway bolting will not be permitted.

6. A weather shield shall be provided to prevent corrosion from affecting the operating mechanism. It will be marked with an arrow indicating the direction of opening, which is open left (counter clockwise). Operating nut shall be 1.5" pentagon shaped bronze with two nylon anti-friction washer, one above and one below the thrust collar.

7. The hydrants Upper and Lower stems, as well as all internal fasteners shall be stainless steel to limit internal corrosion, no springs allowed.

8. Retaining bolts of shoe to lower barrel shall be grade 316 stainless steel or better.

9. The hydrants shall have one positive step to prevent over travel of the operating rod located on the upper stem (stop nut).

10. Hydrant nozzle sections to be nostalgic in style to maintain visual standardization.

11. Upper assembly shall be provided with a grease or oil reservoir that automatically lubricates all operating stem threads and bearing surfaces during each operation. The system shall be completely sealed from the waterway and external contaminants. The reservoir is to have an external filler point that does not require dismantling of the fire hydrant during regular maintenance and all hydrants are to be completely lubricated with food grade product prior to leaving the factory.

12. All hydrants shall have a traffic breakaway feature.

13. All hydrants shall be furnished with a 6" mechanical joint connection.

14. All hydrants shall be covered by a manufacturers 10 year limited warranty.

15. Exterior casting shall indicate type, design, date, and location of manufacture.

16. Hydrants shall be listed by the Underwriters Laboratory and approved by Factory Mutual for fire line service.

17. According to City of Gulfport construction standards, #02664 "Fire Hydrant Assemblies"-section#2.1.7: "Hydrants shall be M&H 129 or Mueller A-423 model, which have been adopted as the City's standard fire hydrant"

Items (1, 2, 3&4) below must come with top 2 bolt holes on 6" shoe and they must be slotted to accommodate thread bolts (3 way hydrant).

150 psi working pressure
300 psi test pressure
AWWA C502 or latest and most current revision
Color: Yellow only
Traffic model only

1.	18" bury size 5 ¼"	$_____ea	brand_____	model_____
2.	24" bury size 5 ¼"	$_____ea	brand_____	model_____
3.	3' bury size 5 ¼"	$_____ea	brand_____	model_____
4.	4' bury size 5 ¼"	$_____ea	brand_____	model_____

Items (5, 6, 7&8) below must come with top 2 bolt holes on 4" shoe and they must be slotted to accommodate thread bolts (2 way hydrant).

150 psi working pressure
300 psi test pressure
AWWA C 502 or latest and most current revision
Color: Yellow only
Traffic model only

5.	18" bury size 5 ¼"	$_____ea	brand_____	model_____
6.	24" bury size 5 ¼"	$_____ea	brand_____	model_____
7.	3' bury size 5 ¼"	$_____ea	brand_____	model_____
8.	4' bury size 5 ¼"	$_____ea	brand_____	model_____

Fire hydrant accessories:

Extension kit for 5 ¼" main valve opening. (barrel, stem, coupling, etc.)

1.	M & H 129	12"	$_____ea
2.	M & H 129	18"	$_____ea

1.	M & H 929	12"	$_____ea
2.	M & H 929	18"	$_____ea

1.	Mueller A-422	12"	$_____ea
2.	Mueller A-422	18"	$_____ea

1.	Mueller A-423	12”	$_____ea
2.	Mueller A-423	18”	$_____ea

General information:

Prices quoted shall be from stock to F.O.B. Department of Public Works, City of Gulfport.

We/I do hereby certify by my signature that our product(s) bid meets or exceeds your specifications. We agree that failure to meet the specifications shall be just cause for the City of Gulfport to remove our company from the bid list.

VENDOR INFORMATION

Please provide the following information:

Company/Firm Name	
Authorized Representative	
Address (Primary Office)	
Address (Other Office(s)	
Phone Number	
Facsimile Number	
Email	
Website (if available)	

Your attention is called to the fact that the State of Mississippi has a reciprocal preference law in regards to resident contractors. The State's treatment of non-resident contractor's and the local preference percentage shall be applied in evaluating the bids. It is the responsibility of the vendor to submit a copy of their state’s preference law with the bid. Failure to do so may be reason to reject the bid.

Notice to bidders:

All bids are to be submitted on this form and shall be submitted in sealed envelopes marked in the lower left hand corner **“Group J1 – Water & sewer Line Supplies”, to be opened October 12, 2015 at 10:00 A.M.** Bids not submitted on this form may be disqualified.

Hold harmless: contractor agrees that it will, and hereby does, indemnify, defend and hold harmless City of Gulfport from and against any and all claims, damages, losses, costs and expenses of every kind and nature, including court costs and attorney fees and claims for damages resulting from or arising out of any infringement claim or claim of bodily injury, death or damage to real or tangible personal property caused by contractor and/or its partners, principals, agents, employees or subcontractors in the performance of this contract. City of Gulfport will notify the contractor in writing of any claim to be indemnified hereunder, of which City has knowledge, and contractor in turn will promptly notify City of any such claim. Contractor shall, at its sole expense, control the defense of such suit to the extent

allowed by Mississippi law. The parties agree to cooperate with one another in the defense of any such matter.

Any request for price increase during the term of contract will be rejected. Should this rejection result in the cancellation of the contract, the vendor shall be removed from the qualified bidders list for twenty-four (24) months. If adverse conditions exist industry wide, modifications to disqualifications may be made as circumstances warrant.

The City reserves the right to request from the vendor an extension of this contract for a second term of twelve (12) months, commencing January 1, 2017, with all prices remaining constant.

Address bid to:

Purchasing Department
City of Gulfport
1410 24th Avenue, Hardy Bldg.
Gulfport, MS 39501